

CLAIMS

1. An artificial stone wall material comprising an inorganic fine particle component having a size in the range of 180 µm to 9.5 mm and an inorganic finer particle component having a size in the range of less than 180 µm and a resin component, containing 5 wt% or more of a transparent inorganic fine particle component as said inorganic fine particle component, having a concavo-convex surface wherein a maximum height between concavity and convexity ranges 1 mm to 100 mm, being molded and solidified into a shape of plate or a deformed shape, and wherein both the transparent inorganic fine particle component, which is exposed on the surface thereof, and a shape of the concavo-convex surface are studded with sparkling points which change with irradiation manner and movement of natural light or artificial light.
2. The artificial stone wall material according to claim 1, wherein the inorganic fine particle component except for the transparent inorganic fine particle component is particles of one or more kinds, obtained by crushing and screening natural stones such as granite and marble, an a molded product such as a tile; or by screening sands such as a river sand and a sea sand, and the transparent inorganic fine particle component contained in content of 5 wt% or more in the inorganic fine particle component is particles made of one or more kinds each with achromatic transparency or chromatic transparency such as quartz stone, glass, garnet, amethyst and the like.
3. The artificial stone wall material according to claim 1 or 2, wherein at least part of the inorganic finer particle component is a luminescent material or a fluorescent material.
4. The artificial stone wall material according to claim 3, wherein the luminescent material or the fluorescent material is sintered into a surface of particle of the transparent inorganic fine particle component or covered thereon together with a resin.
5. The artificial stone wall material according to any of claims 1 to 4, wherein at

least part of the inorganic fine particle component includes particles having a size in the range of 180 µm to 9.5 mm, obtained by crushing an artificial stone manufactured by molding and solidifying a mixture of an inorganic fine particle component having a size in the range of 180 µm to 9.5 mm, an inorganic finer particle component having a size in 5 the range of less than 180 µm and the resin component.

6. The artificial stone wall material according to claim 5, wherein the artificial stone crushed into particles having a size in the range of 180 µm to 9.5 mm includes a transparent inorganic fine particle component as the inorganic fine particle component.

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7. The artificial stone wall material according to claim 5 or 6, wherein the artificial stone crushed into particles having a size in the range of 180 µm to 9.5 mm includes a luminescent material or a fluorescent material as the inorganic fine particle component.

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8. An artificial stone wall material, wherein the artificial stone wall material according to any of claims 1 to 7 constitutes the surface layer thereof.

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9. The artificial stone wall material according to any of claims 1 to 8, wherein the resin component in the surface portion thereof is removed by dissolution with a solvent or by pressured water of water jet and the transparent inorganic fine particle component is exposed on the surface portion thereof.

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10. The artificial stone wall material according to any of claims 1 to 9, wherein the concavo-convex surface having a maximum height in the range of 1 mm to 100 mm is formed by method of casting with a reverse decoration molding followed by hot pressing, hot extrusion or hot centrifugal molding.

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11. The artificial stone wall material according to any of claims 1 to 10, wherein a metal fitting for attaching the wall material onto a wall surface is molded and embedded integrally at least in any of the rear surface or a lateral side of the molded material

having a concavo-convex surface.